



Patent

THE UNITED STATES PATENT AND TRADEMARK OFFICE
Applicant(s): Daniel Yap) Re: Information Disclosure
) Statement
Serial No.: 10/696,607) Group: not yet assigned
)
Filed: October 28, 2003) Examiner: not yet assigned
)
For: "WHITE CELL ANTENNA) Our Ref: B-4804 620261-8
BEAMFORMERS") Date: November 19, 2003

Commissioner for Patents
P.O. Box 1450
Alexandria VA, 22313-1450

Sir:

In accordance with the Applicant's duty to disclose information which may be material to the examination of this application, the undersigned respectfully requests that the Examiner consider on the merits the documents listed on the enclosed Form PTO-1449 (modified) before issuing the first Office Action on the merits.

Copies of the foreign patent documents and the non-patent publications listed on the enclosed Form PTO-1449 (modified) are enclosed herewith for the Examiner's convenience. Copies of the published U.S. patent documents listed on the enclosed Form PTO-1449 (modified) are not enclosed, pursuant to Deputy Commissioner Stephen G. Kunin's Pre OG Notice dated July 11, 2003.

It should be noted that the above-identified application is related by subject matter to the following U.S. Application(s): 10/196,444, filed July 15, 2002; 10/196,480, filed July 15, 2002; and 10/632,354, filed July 31, 2003. Pursuant to 37 C.F.R. 1.56(a) and M.P.E.P. 2004, paragraph 9, the applicant brings these co-pending applications to the attention of the Examiner. The Examiner should consider this information during the prosecution of the above-identified application.

The filing of this Information Disclosure Statement (IDS) shall not be construed as a representation that a search has been made (37 C.F.R. 1.97(g)), an admission that the information cited is, or is considered to be, material to patentability, or that no other material information exists.

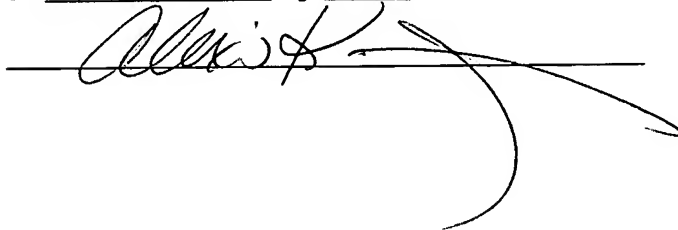
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The Applicant believes that this IDS is being submitted before the issuance of a first Office Action on the merits and before the issuance of a Final Rejection or Notice of Allowance. Therefore, no official fees should be due; and this IDS should be considered on the merits. If this IDS is being submitted after the issuance of the first Office Action on the merits and before the issuance of a Final Rejection or Notice of Allowance, please contact the undersigned to authorize a payment of \$180.00 (or any other required amount), which is the fee set forth in 37 C.F.R. § 1.97(c), if the Examiner believes that such a fee is due in order for this IDS to be considered on the merits.

The filing of this Information Disclosure Statement shall not be construed as an admission against interest in any manner. (Notice of January 9, 1992, 1135 O.G. 13-25, at 25.)

The person making this statement is the practitioner who signs below on the basis of information supplied by an individual associated with the filing and prosecution of this application (37 C.F.R. § 1.56(c)) and on the basis of information in the practitioner's file.

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first-class mail in an envelope addressed to the "Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450", on November 19, 2003 by Alexis Karriker.



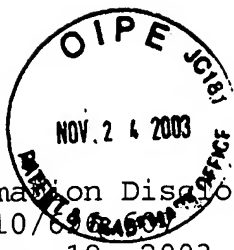
Respectfully submitted,



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Enclosures: Form PTO-1449 (modified) (3 pages)
Copy of documents listed on Form PTO-1449 (modified)

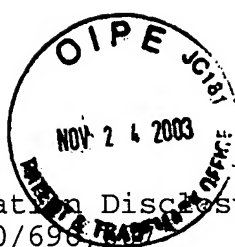


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Form PTO-1449 (Modified)	ATTY DOCKET NO. B-4804 620261-8	U.S. SERIAL NO. 10/696,607
LIST OF PATENTS AND PUBLICATIONS STATEMENT	APPLICANTS Daniel Yap	
	FILING DATE October 28, 2003	GROUP not yet assigned

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	ISSUE DATE	NAME	CLASS	SUB- CLASS	FILING DATE or 102(e) DATE IF APPROPRIATE
	4,725,844	2/1998	Goodwin et al.	342	374	
	5,369,410	11/1994	Reich	342	175	
	5,374,935	12/1994	Forrest	342	368	
	5,475,392	12/1995	Newberg et al.	342	375	
	5,631,758	5/1997	Knox et al.	359	127	
	5,859,719	1/1999	Dentai et al.	359	171	
	5,861,845	1/1999	Lee et al.	342	375	
	5,867,291	2/1999	Wu et al.	359	124	
	5,926,298	7/1999	Li	359	120	
	5,999,128	12/1999	Stephens et al.	342	375	
	6,181,449	1/2001	Taga et al.	359	124	
	6,198,721	3/2001	Mueller	370	223	
	6,204,944	3/2001	Uchivama et al.	359	123	
	6,208,444	3/2001	Wong et al.	359	127	
	6,229,937	5/2001	Nolan et al.	385	24	
	6,266,176 B1	7/2001	Anderson et al.	359	245	
	6,271,949	8/2001	Suemura et al.	359	128	
	6,337,660	1/2002	Esman et al.	342	375	
	6,348,890 B1	2/2002	Stephens	342	375	
	6,388,815 B1	5/2002	Collins, Jr. et al.	359	633	
	6,452,546 B1	9/2002	Stephens	342	368	



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	2002/0012144	Published 1/2002	Lin et al.	359	130	
	10/196,444		Stephens			7/15/2002
	10/196,480		Stephens			7/15/2002
	10/632,354		Stephens			7/31/03

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES/NO
	0 392 416 A1	10/1990	EP			yes
	0 664 465 A2	7/1995	EP			
	01/15269 A1	3/2001	WO			

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	<i>Reference Data for Engineers: Radio, Electronics, Computer, and Communications</i> , Seventh Edition, Howard W.Sams & Co., Indianapolis, pp. 32-39 through 32-41 (1988).
	Anderson, B.L., et al., "Binary-Counting True Time Delay Generator Using a White Cell Design and Deformable Mirror Devices," <i>IEEE</i> , pp. 273-274 (1998).
	Anderson, B.L., et al., "Optically Produced True-Time Delays for Phased Antenna Arrays," <i>Applied Optics</i> , Vol. 36, No. 32, pp. 8493-8503 (November 10, 1997).
	Curtis, D.D., "Holographic Rotman Lens for Phased-Array Antenna Beamforming," <i>SPIE</i> , Vol. 2481 pp. 104-113.
	Gopalakrishnan, G.K., et al., "Microwave-Optical Mixing in LiNbO ₃ Modulators," <i>IEEE Transactions on Microwave Theory and Techniques</i> , Vol. 41, No. 12, pp. 2383-2391 (December 1993).
	Li, R.L.Q., et al., "3-Bit Substrate-Guided-Mode Optical True-Time-Delay Lines Operating at 25 GHz," <i>IEEE Photonics Technology Letters</i> , Vol. 9, No. 1, pp. 100-102 (January 1997).
	Logan, R.T., Jr., et al., "Millimeter-Wave Photonic Downconvertors: Theory and Demonstrations," <i>Proceedings of SPIE Conference on Optical Technology for Microwave Applications VII</i> , San Diego, CA, (July 9-14, 1995).
	Sparks, R.A., "Progress in Optical Rotman Beamformer Technology," <i>IEEE</i> , pp. 357-360 (2000).

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	Stimson, G.W., "Advanced Radar Techniques," <i>Introduction to Airborne Radar</i> , Second Edition, SciTech Publishing, Mendham, New Jersey, Ch. 40, p. 513.
	White, J.U., "Long Optical Paths of Large Aperture," <i>J.O.S.A.</i> , Vol. 32, pp. 285-288 (May 1942).

<u>EXAMINER</u>	<u>DATE CONSIDERED</u>

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MFEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.